

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT : Boris BRONFIN, ET. AL.

SERIAL NO. : to be assigned

FILED : herewith

FOR CREEP RESISTANT MAGNESIUM ALLOYS WITH
IMPROVED CASTABILITY

EXAMINER : Not available GROUP: not available

Commissioner for Patents

Washington, D.C. 20231

Box: Patent Application

PRELIMINARY AMENDMENT

Sir:

Prior to examination, it is respectfully requested that the above-identified application be amended as follows:

In the Claims:

Please amend claims 3, 4, 5, 6, 11, 12, 13, and 14 of record. A copy of claims 3, 4, 5, 6, 11, 12, 13, and 14 as amended and a copy of claims 3, 4, 5, 6, 11, 12, 13, and 14 in the amended format is attached hereto.

Please add claims 16-25 as attached hereto.

CLAIMS AS AMENDED

- 3 (Amended) An alloy according to [claims 1 and 2] claim 1, further comprising up to 0.001 wt% beryllium.
- 4 (Amended) An alloy according to [claims 1 to 3] claim 1, further comprising incidental impurities.
- 5 (Amended) An alloy according to [claims 1 to 4] claim 1, comprising up to 0.004 wt% iron, up to 0.001 wt% nickel, up to 0.003 wt% copper, or up to 0.03 wt% silicon.
- 6 (Amended) An alloy according to [claims 1 to 5] claim 1, wherein the total amount of calcium and strontium is higher than 0.9 wt% and lower than 1.6 wt%.
- 11 (Amended) An alloy according to [any of claims 1 to 10] claim 1, wherein rare earth elements comprise a mischmetal.
- 12 (Amended) An alloy according to [any of claims 1 to 11] claim 1, which is beryllium free.
- 13 (Amended) An alloy according to [any of claims 1 to 12] claim 1, having a high resistance to creeping at ambient and elevated temperatures, substantially as described in the specification.
- 14 (Amended) An article which is a casting of a magnesium alloy of [any of claims 1 to 13] claim 1.

AMENDED VERSION OF CLAIMS

3. An alloy according to claim 1, further comprising up to 0.001 wt% beryllium.
4. An alloy according to claim 1, further comprising incidental impurities.
5. An alloy according to claim 1, comprising up to 0.004 wt% iron, up to 0.001 wt% nickel, up to 0.003 wt% copper, or up to 0.03 wt% silicon.
6. An alloy according to claim 1, wherein the total amount of calcium and strontium is higher than 0.9 wt% and lower than 1.6 wt%.
11. An alloy according to claim 1, wherein rare earth elements comprise a mischmetal.
12. An alloy according to claim 1, which is beryllium free.
13. An alloy according to claim 1, having a high resistance to creeping at ambient and elevated temperatures, substantially as described in the specification.
14. An article which is a casting of a magnesium alloy of claim 1.

NEW CLAIMS

16. An alloy according to claim 2, further comprising up to 0.001 wt% beryllium.
17. An alloy according to claim 2, further comprising incidental impurities.
18. An alloy according to claim 3, further comprising incidental impurities.
19. An alloy according to claim 2, comprising up to 0.004 wt% iron, up to 0.001 wt% nickel, up to 0.003 wt% copper, or up to 0.03 wt% silicon.
20. An alloy according to claim 3, comprising up to 0.004 wt% iron, up to 0.001 wt% nickel, up to 0.003 wt% copper, or up to 0.03 wt% silicon.
21. An alloy according to claim 4, comprising up to 0.004 wt% iron, up to 0.001 wt% nickel, up to 0.003 wt% copper, or up to 0.03 wt% silicon.
22. An alloy according to claim 2, wherein the total amount of calcium and strontium is higher than 0.9 wt% and lower than 1.6 wt%.
23. An alloy according to claim 3, wherein the total amount of calcium and strontium is higher than 0.9 wt% and lower than 1.6 wt%.
24. An alloy according to claim 4, wherein the total amount of calcium and strontium is higher than 0.9 wt% and lower than 1.6 wt%.
25. An alloy according to claim 5, wherein the total amount of calcium and strontium is higher than 0.9 wt% and lower than 1.6 wt%.

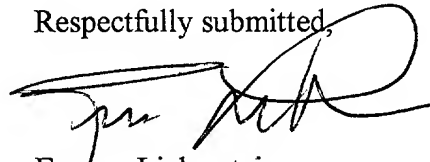
REMARKS

This Amendment is being filed prior to examination.

Claims 3, 4, 5, 6, 11, 12, 13, and 14 have been amended herein and dependent claims 16 to 25 added to obviate the need for eight multiple dependent claims.

An early favorable allowance of the claims remaining in the present application is earnestly solicited.

Respectfully submitted,

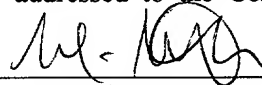


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CERTIFICATE OF MAILING

I hereby certify that this PRELIMINARY AMENDMENT and PATENT APPLICATION W/ATTACHMENTS are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on January 3, 2002 Mailing Label Number: EL 179766933 US, and is addressed to the Commissioner for Patents, Box Patent Application, Washington, DC 20231.



Maggie McGarry